

PacifiCorp's Planned Changes to Home Energy Savings Program in California Effective Date of August 26, 2019

PacifiCorp (Company) is planning to make modifications to the Home Energy Savings program (HES) for residential customer energy efficiency, which is offered through Schedule D-118. The changes are intended to increase overall participation and energy savings achieved through the program, increase the comprehensiveness of the program, and incorporate changing codes and standards.

Due to the comprehensive nature of the Program, the Commission provided for a flexible and market-driven program delivery approach in Application No. 07-07-011¹. As outlined in Appendix J of the application, Schedule D-118 includes the basic program elements, including: customer eligibility, use of a program administrator for delivery, the seasonal nature of selected incentive offers, and that current incentive levels may change. Specific details on all aspects of the program including incentive levels, eligible equipment specifications and dates for incentive availability are managed by the program administrator using a dedicated program web site with easy links from the Pacific Power web site. Changes in equipment specifications or incentive levels are clearly posted on the Web site with at least 45 days advance notice.

Consistent with the change process for the Program, notice of the changes will be posted on the program web site² 45 days prior to implementation. The Company plans to post the changes on the Program web site with a minimum of 45 days notice in order to allow implementation on August 26, 2019.

Background

The Program is available to residential customers in the Company's California service territory and offers incentives for prescriptive measures which improve energy efficiency. The current Program offers incentives for energy efficient appliances, lighting, heating and air conditioning, and new homes packages. Incentives are available for both existing homes and new homes. The Program was first approved by the California Public Utilities Commission on February 29, 2008³. The Program was modified on April 12, 2010 and again on June 12, 2014 to increase overall participation and energy savings achieved through the Program, increase the comprehensiveness of the Program, and incorporate changing codes and standards.

¹ Refer to Exhibit J of A.07-07-011.

² <http://www.homeenergysavings.net/california/>

³ Decision No. 08-01-041 dated January 31, 2008.

Description of Planned Home Energy Savings Changes

The Program modifications are summarized below in Tables 1-9 with complete details provided in the revised Program incentive tables, which are provided in Exhibits 1 and 2⁴.

Cost-Effectiveness: Cost effectiveness is performed using a company specific modeling tool, created by a third party consultant. Based on Decision 18-11-033, PacifiCorp's model⁵ was revised in 2018 to include a greenhouse gas adder for the incremental value of avoided greenhouse gas emissions. The tool is designed to incorporate PacifiCorp data and values such as avoided costs, and generally follows the methodology specified in California's Standard Practice Manual. PacifiCorp's modeling tool conducts cost effectiveness analysis on all four tests described in the Standard Practice Manual 10 as well as an additional fifth test⁶

Portfolio and program cost effectiveness is provided in the file "PacifiCorp Benefit-Cost Memo_California Portfolio – 22May2019.docx". The portfolio with the planned changes is forecasted to be cost effective with a TRC benefit cost ratio of 1.12 and a PAC benefit cost ratio of 1.42.

Evaluation Plan

The Company offers the Home Energy Savings in its other service territories. Evaluations are conducted at the program level with reports prepared for each state. Consistent evaluation plans throughout PacifiCorp's system-wide territory reduce administrative costs for the program. The most recent evaluation⁷ was for the 2015-2016 program. The next evaluation of PacifiCorp's residential programs will be for program years 2017-2018, and this evaluation is scheduled for completion in 2020.

Exhibits Provided

Exhibit 1 - HES Explanation of Changes

Exhibit 2 - HES Incentive Tables – Red-lined

Exhibit 3 - DEER Alignment Review HES

⁴ Exhibit 1 contains the Home Energy Savings program incentive tables, which were originally provided as part of Exhibit J in A.07-07-011 and further modified using the program change process described in Schedule D-118 The incentive tables currently in effect are marked to show the planned changes.

⁵ In 2017, the Company transitioned from California's E3 Calculator to the PacifiCorp cost effectiveness model. The change in models was a coordinated effort between the Company, Commission Staff, and its third party consultant, Itron. Additional information regarding PacifiCorp's transition to its company specific cost effectiveness model can be found in Application No. 17-09-010.

⁶ PacifiCorp TRC ("PTRC"), total resource costs test with an additional 10% added for the non-quantified environmental and non-energy benefits

⁷ http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Demand_Side_Management/2017/2015-16California_HES_PacifiCorp_Evaluation_Report.pdf

Definitions

British Thermal Unit (Btu): It is approximately the amount of energy needed to heat 1 pound of water from 39° to 40° Fahrenheit.

Compact Fluorescent Lamp (CFL): Light bulbs that produce light much more efficiently than traditional incandescent light bulbs.

Consortium for Energy Efficiency (CEE): A consortium of US and Canadian gas and electric efficiency program administrators. Members work to unify program approaches across jurisdictions to increase the success of efficiency in markets. CEE members define one or more tiers of energy performance for a particular product or service. A specification is an advanced level of energy performance, higher than is normal in a market, for a residential, commercial, or industrial product or service.

Cubic Feet per Minute (CFM): A measurement of the velocity at which air flows into or out of a space.

Customer: Any party who has applied for, been accepted and receives service at the real property, or is the electricity user at the real property.

DEER (Database for Energy Efficiency Resources): is a California Energy Commission and California Public Utilities Commission-sponsored database designed to provide well-documented estimates of energy and peak demand savings values, measure costs, and effective useful life all with one data source.

Direct Install: Installation of an Energy Efficiency Measure directly by the Company, Program, or a Program-approved contractor or other 3rd party.

Downstream: Payment of incentive made by the Company to a customer, owner, contractor or other approved third party for the purchase or installation of an Energy Efficiency Measure pursuant to an approved energy efficiency incentive application.

Energy Efficiency Incentive: Payments of money made by Company to Owner or Customer or other approved party for installation of an Energy Efficiency Measure pursuant to an approved Energy Efficiency Incentive Application or Invoice.

Energy Factor (EF): Indicates a water heater's overall energy efficiency based on the amount of hot water produced per unit of fuel consumed over a typical day. The higher the energy factor, the more efficient the water heater.

Heating Seasonal Performance Factor (HSPF): The efficiency of heat pumps measured by the ratio of Btu heat output over the heating season to watt-hours of electricity used. The higher the number, the greater the efficiency.

Heating, Ventilation and Air Conditioning (HVAC): Refers to technology of indoor environmental comfort.

Light-emitting Diode (LED): A semiconductor light source.

Manufactured Homes (mobile homes): A type of prefabricated housing that is largely assembled in factories and transported to the site of use. Units are at least 320 square feet and installed with a permanent chassis to assure the initial and continued transportability of the home.

Mid-Market: An approved third party (typically a contractor, retailer or manufacturer) who installs Energy Efficiency Measures at the real property or sells Energy Efficiency Measures to a Customer.

Modified Energy Factor (MEF): Measures energy consumption of the total laundry cycle (washing and drying). It indicates how many cubic feet of laundry can be washed and dried with one kWh of electricity; the higher the number, the greater the efficiency.

NEEA: Northwest Energy Efficiency Alliance

New Home: A newly constructed residence.

Owner: The person who has both legal and beneficial title to the real property, and is the mortgager under a duly recorded mortgage of real property, the trustor under a duly recorded deed of trust.

Regional Technical Forum (RTF): Part of the Northwest Power & Conservation Council, the RTF is an advisory committee established in 1999 to develop standards to verify and evaluate conservation savings.

R-Value: Indicates insulation's resistance to heat flow. The higher the R-value, the greater the insulating effectiveness.

Seasonal Energy Efficiency Ratio (SEER): The efficiency of air conditioners, measured by the cooling output in Btu during a typical cooling-season, divided by the total electric energy input in watt-hours during the same period. The higher the unit's SEER rating, the more energy efficient it is.

Upstream: Payment of incentive made by the Company directly to a manufacturer, retailer, or other pre-approved vendor to apply a pre-purchase discount for customers.

General Notes

- Incentive cannot exceed total price of product or service

- All work must be installed per local, state, and federal building codes and requirements

Exhibit 1 - Explanation of Changes

Table 1 – Lighting Incentive Table Modifications

Program Modifications – Lighting Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
CFL Bulbs (General Purpose)	Formally retiring this measure to align with the market’s movement away from CFLs in favor of LEDs and to insure compliance with Order Paragraph Number 4 in Decision 18-11-033.	<u>Qualification:</u> <ul style="list-style-type: none"> • ENERGY STAR qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> • Up to \$3.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Mail-By-Request • Mid/upstream 	N/A
CFL Bulbs (Specialty)	Formally retiring this measure to align with the market’s movement away from CFLs in favor of LEDs and to insure compliance with Order Paragraph Number 4 in Decision 18-11-033.	<u>Qualification:</u> <ul style="list-style-type: none"> • ENERGY STAR qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> • Up to \$4.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Mail-By-Request • Mid/upstream 	N/A
CFL Fixtures	Formally retiring this measure to align with the market’s movement away from CFLs in favor of LEDs .and to insure compliance with Order Paragraph Number 4 in Decision 18-11-033.	<u>Qualification:</u> <ul style="list-style-type: none"> • ENERGY STAR qualified • Torchiere and portable products are not qualified 	N/A

Program Modifications – Lighting Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$10.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream 	
LED Bulbs (General Purpose)	<p>As there was no available DEER workbook for general purpose LEDs, aligned savings with work paper: PGECOLTG165 Rev6 – 04/30/2018.</p> <p>LED bulbs are now classified according to their wattage equivalent, lumen per watt range, and lamp type. Reduced available market partner incentive due to decreased incremental cost.</p>	<u>Qualification:</u> <ul style="list-style-type: none"> ENERGY STAR qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$23.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream 	<u>Qualification :</u> <ul style="list-style-type: none"> Qualified Product List (QPL) <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$18.00 <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream
LED Bulbs (Specialty)	<p>Aligned with DEER READi v2.5.1 and work papers: PGECOLTG177 Rev6 – 04/30/2018, PGECOLTG164 Rev7 – 04/27/2018, PGECOLTG163 Rev7 – 04/27/2018.</p> <p>LED bulbs are now classified according to their wattage equivalent and lamp type. Reduced available market partner incentive due to decreased incremental cost.</p>	<u>Qualification:</u> <ul style="list-style-type: none"> ENERGY STAR qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$23.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream 	<u>Qualification (Unchanged):</u> <ul style="list-style-type: none"> ENERGY STAR qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$19.00 <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream
LED Fixtures	<p>Aligned with DEER READi v2.5.1 and work paper: PGECOLTG177 Rev6 – 04/30/2018.</p> <p>Reduced available market partner incentive due to decreased incremental cost.</p>	<u>Qualification:</u> <ul style="list-style-type: none"> ENERGY STAR qualified Torchiere and portable products are not qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$10.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Mid/upstream 	<u>Qualification:</u> <ul style="list-style-type: none"> Qualified Product List (QPL) Torchiere and portable products are not qualified <u>Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$7.00 <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> Mid/upstream
Notes for Lighting Incentive Table	Clarified implementation details.	<ul style="list-style-type: none"> Mid-market incentives for CFL and LED bulbs apply to upstream, mail by request and direct install. 	<ul style="list-style-type: none"> Mid-market incentives LED bulbs apply to upstream and mail by request.

Program Modifications – Lighting Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<ul style="list-style-type: none"> • See product list on program website. • Reduced price CFL, LED, or fixture offer may end early if entire allocation is sold. • Acronyms: CFL: Compact Fluorescent Light LED: Light Emitting Diode 	<ul style="list-style-type: none"> • See product list on program website. • Reduced price LED or fixture offer may end early if entire allocation is sold. • Acronyms: LED: Light Emitting Diode

Table 2 – Appliance Incentive Table Modifications

Program Modifications – Appliance Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Clothes Washers	Measure is retiring as it no longer passes cost effectiveness.	<u>Qualification:</u> <ul style="list-style-type: none"> • MEF ≥ 3.2 <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$50 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream 	N/A

Program Modifications – Appliance Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Clothes Washer Recycling	Formally retiring this measure.	<u>Qualification:</u> <ul style="list-style-type: none"> Decommission and recycle an existing clothes washer. The recycled unit must be operable. <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$25 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	N/A
Refrigerators	Measure is retiring as it no longer passes cost effectiveness.	<u>Qualification:</u> <ul style="list-style-type: none"> CEE Tier 3 <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$50 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	N/A
Electric Water Heaters	Formally retiring this measure due to federal standard change, all electric water heater incentives will be retired after April 15, 2015.	<u>Qualification:</u> <ul style="list-style-type: none"> Due to federal standard change, all electric water heater incentives will be retired after April 15, 2015 Incentives will be provided only for units purchased or installed on or before April 15, 2015 <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$50 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	N/A
Evaporative Cooler Previously: Evaporative Coolers (Tier 1)	Revised qualification requirements to align with DEER READi v2.5.1. Combined previous measures Evaporative Coolers (Tier 1) and Evaporative Coolers (Tier 2).	<u>Qualification:</u> <ul style="list-style-type: none"> 2,000-3,499 CFM <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$50 	<u>Qualification:</u> <ul style="list-style-type: none"> 17 SEER, ≤65k BTU <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$50

Program Modifications – Appliance Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
	Added mid/upstream to available delivery methods.	<u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	<u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream Mid/upstream
Evaporative Coolers (Tier 2)	Measure has been retired as it has been combined with previous measure Evaporative Coolers (Tier 1). Separate Tier 2 offering is no longer available.	<u>Qualification:</u> <ul style="list-style-type: none"> Minimum 3,500 CFM <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$100 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	N/A
Room Air Conditioner	<p>As there was no available DEER workbook for Room Air Conditioners, aligned savings with work paper: SCE17HC001 Rev. 0 – 11/18/2016.</p> <p>Savings are only available in climate zone 16 and this measure will not be made available in climate zone 01.</p>	<u>Qualification:</u> <ul style="list-style-type: none"> ENERGY STAR qualified <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$20 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Mid/upstream 	<u>Qualification:</u> <ul style="list-style-type: none"> ENERGY STAR qualified Home must be located in climate zone 16 <u>Customer/Market Partner Incentive (Unchanged):</u> <ul style="list-style-type: none"> Up to \$20 <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> Mid/upstream
Hybrid/Heat Pump Clothes Dryer	<p>As there was no available DEER workbook for Hybrid/Heat Pump Clothes Dryers, aligned savings with RTF workbook: RESClothesDryers_v3.1 – 06/23/2018.</p> <p>Total available incentive is set higher than incremental cost to entice the market to participate in this measure.</p>	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> NEEA qualified <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$600 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream Mid/upstream
Notes for Appliance Incentive Table	Clarified implementation details.	<ul style="list-style-type: none"> See additional installation requirements and qualifying models on program website. Acronyms: <ul style="list-style-type: none"> EF: Energy Factor CEE: Consortium for Energy Efficiency CFM: Cubic Feet per Minute 	<ul style="list-style-type: none"> See additional requirements and qualifying models on program website. Incentives for hybrid/heat pump clothes dryer apply to mid/upstream and/or downstream. Only one incentive will be provided per qualifying clothes dryer.

Program Modifications – Appliance Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		MEF: Modified Energy Factor	<ul style="list-style-type: none"> Incentives for hybrid/heat pump clothes dryers may be paid to the customer, retailer, and/or manufacturer and may be split between customer, retailer, and/or manufacturer. Acronyms: BTU: British Thermal Unit EF: Energy Factor NEEA: Northwest Energy Efficiency Alliance

Table 3 – Plumbing Incentive Table Modifications

Program Modifications – Plumbing Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Low-Flow Showerheads	As there was no available DEER workbook for Low-Flow Showerheads, revised qualification requirements to align with work	<u>Qualification:</u> <ul style="list-style-type: none"> Flow rate \leq 1.70 GPM 	<u>Qualification:</u> <ul style="list-style-type: none"> Flow rate \leq 1.60 GPM <u>Market Partner Incentive:</u>

Program Modifications – Plumbing Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
	<p>paper: PGECODHW125 Rev. 6 – 03/20/2017.</p> <p>Reduced available incentive due to decreased incremental cost.</p>	<p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$31.00 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream 	<ul style="list-style-type: none"> Up to \$14 <p><u>Available Delivery Methods (Unchanged):</u></p> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream
Low-Flow Aerators	<p>As there was no available DEER workbook for Low-Flow Aerators, revised qualification requirements to align with work paper: PGECODHW125 Rev. 6 – 03/20/2017.</p> <p>Reduced available incentive due to decreased incremental cost.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Flow rate \leq 1.50 GPM <p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$5.00 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Flow rate \leq 1.0 GPM <p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$2.50 <p><u>Available Delivery Methods (Unchanged):</u></p> <ul style="list-style-type: none"> Mail-By-Request Mid/upstream
Thermostatic Valves	<p>Measure has been retired due to the lack of availability in brick and mortar stores resulting in a lack of market interest.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Valve must automatically restrict or shut off water flow rate when a set point is reached and be reset when desired <p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$30.00 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Mid/upstream 	N/A
Combo Low Flow Showerhead and Thermostatic Valve	<p>Measure has been retired due to the lack of availability in brick and mortar stores resulting in a lack of market interest.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Unit Flow rate \leq 1.50 GPM Valve must automatically restrict or shut off water flow rate when a set point is reached and be reset when desired <p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$54.00 <p><u>Available Delivery Methods:</u></p>	N/A

Program Modifications – Plumbing Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<ul style="list-style-type: none"> Mid/upstream 	
Heat Pump Water Heater	<p>Revised qualification requirements to align with DEER READi v2.5.1.</p> <p>Reduced available incentive due to decreased incremental cost. Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Northern Climate Specification qualified <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$800 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> 0-55 gallons: 3.24 EF or 3.5 EF >55 gallons: 3.06 EF, 3.14 EF, or 3.5 EF <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$600 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
Notes for Plumbing Incentive Table	Clarified implementation details.	<ul style="list-style-type: none"> Mid-market incentives for all plumbing measures apply to upstream, mail by request, and direct install. See additional installation requirements and qualifying models on program website. Definitions: GPM: Gallons per minute 	<ul style="list-style-type: none"> Mid-market incentives for all plumbing measures apply to upstream and mail by request. See additional installation requirements and qualifying models on program website. Acronyms: GPM: Gallons per minute

Table 4 - Home Electronics Incentive Table Modifications

Program Modifications – Home Electronics Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Advanced Power Strips		<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Power strip must have occupancy, 	<u>N/A</u>

Program Modifications – Home Electronics Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
	Formally retiring this measure due to reduced savings assumptions and very low realization rates. Realized savings are highly dependent on connected equipment that is extremely difficult to verify.	infrared, or load-sensor and automatically shut off the plug loads when no motion or reduced load is detected for a period of time <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Up to \$60.00 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Direct Install Mail-By-Request Mid/upstream 	

Table 5 – Single Family HVAC Incentive Table Modifications

Program Modifications – Single Family HVAC Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Central Air Conditioner Upgrade Previously: Central Air Conditioner	Revised qualification requirements to align with DEER READi v2.5.1 Updated measure name. Now requires that equipment be replacing existing central air conditioner. Added mid/upstream to available delivery methods.	<u>Qualification:</u> <ul style="list-style-type: none"> 2014: ≥ 15 SEER After 2014: > 17 SEER <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$100 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	<u>Qualification:</u> <ul style="list-style-type: none"> Must be replacing existing CAC ≥ 15 SEER, ≤ 65 kBTU <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> 15-16 SEER: \$75 ≥ 17 SEER: \$100 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream Mid/upstream
Heat Pump Upgrade	Revised qualification requirements to align with DEER READi v2.5.1 Set incentive effective 1/1/2020 to align with new DEER savings.	<u>Qualification:</u> <ul style="list-style-type: none"> Tier 1: ≥ 9.0 HSPF, ≥ 15 SEER Tier 2: ≥ 9.5 HSPF, ≥ 16 SEER 	<u>Qualification:</u> <ul style="list-style-type: none"> ≥ 9.0 HSPF, ≥ 16 SEER Previous primary heat source must have been a heat pump

Program Modifications – Single Family HVAC Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
	Savings are only available in climate zone 16 and this measure will not be made available in climate zone 01. Added mid/upstream to available delivery methods.	<ul style="list-style-type: none"> Previous primary heat source must have been a heat pump <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Tier 1: \$150 Tier 2: \$250 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	<ul style="list-style-type: none"> Home must be located in climate zone 16 <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$150 (ending 12/31/2019) \$75 (starting 1/1/2020) <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream Mid/upstream
Heat Pump Conversion	As there was no available DEER workbook for Heat Pump Conversion, revised qualification requirements to align with RTF workbook: ResSFExistingHVAC_v4_2 – 12/05/17. Added mid/upstream to available delivery methods.	<u>Qualification:</u> <ul style="list-style-type: none"> Tier 1: ≥ 9.0 HSPF, ≥ 15 SEER Tier 2: ≥ 9.5 HSPF, ≥ 16 SEER Previous primary heat source must have been a permanently installed electric forced air furnace <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Tier 1: \$1,050 Tier 2: \$1,550 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	<u>Qualification:</u> <ul style="list-style-type: none"> Federal Standard HSPF or 9.0 HSPF Previous primary heat source must have been a permanently installed electric forced air furnace <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Federal Standard HSPF: \$1,050 9.0 HSPF: \$1,150 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream Mid/upstream
Ductless Heat Pump	As there was no available DEER workbook for Ductless Heat Pump, revised qualification requirements to align with RTF workbook: ResSFExistingHVAC_v4_2 – 12/05/17 and ResDHPonFAF_v2_0 – 9/28/2018. Added mid/upstream to available delivery methods.	<u>Qualification:</u> <ul style="list-style-type: none"> ≥ 9.0 HSPF, ≥ 16 SEER Single-head or multi-head unit <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> Single-Head: \$1,300 Multi-Head: \$1,800 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream 	<u>Qualification:</u> <ul style="list-style-type: none"> ≥ 9.0 HSPF Previous heat source must have been a zonal electric resistance heat system or electric forced air furnace <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> \$1,300 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> Downstream Mid/upstream

Program Modifications – Single Family HVAC Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Duct Sealing and Insulation	Measure retiring due to no available savings in DEER or RTF.	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • R existing ≤ 2 or replace all existing insulation with at least R-8 • Must add at least R-8 to ducts • Home’s primary heat source is electric (ducted) • Cannot be claimed if performing HVAC equipment replacement or upgrade <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$600 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	N/A
Duct Sealing	<p>Revised qualification requirements to align with DEER READi v2.5.1.</p> <p>Set incentive effective 1/1/2020 to align with new DEER savings.</p> <p>Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Home’s primary heat source is electric (ducted) • Existing insulation should only be removed if it is being replaced • Cannot be claimed if performing HVAC equipment replacement or upgrade <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$200 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Home’s primary heat source is an electric forced air furnace • Duct leakage prior to sealing is $\geq 24\%$ • Duct leakage after sealing is $\leq 12\%$ • Cannot be claimed if performing HVAC equipment replacement or upgrade <p><u>Customer/Market Partner Incentive (Unchanged):</u></p> <ul style="list-style-type: none"> • \$200 (ending 12/31/2019) • \$100 (starting 1/1/2020) <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream • Mid/upstream
Line Voltage Thermostat	New Measure. As there was no available DEER workbook for Line Voltage Thermostat, aligned with	N/A	<u>Qualification:</u>

Program Modifications – Single Family HVAC Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
	RTF workbook: ResSFElectronicTstats_v3_1 – 11/17/2016		<ul style="list-style-type: none"> Home’s primary heat source is a zonal electric heating system Thermostats installed in bathrooms do not qualify <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$20 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
Smart Thermostat	New Measure. As there was no available DEER workbook for Smart Thermostat, aligned with RTF workbook: ResConnectedTstats_v1.3 – 04/10/2018	N/A	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Unit must be on ENERGY STAR Qualified Products List Home’s primary heat source is an electric forced air furnace or air source heat pump heating system Cannot be claimed if already received incentive for a heat pump upgrade or heat pump conversion <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$50 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
Whole-Home Upgrade Package	Measure to be retired due to no participation.	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Install all of the following per Program requirements: <ul style="list-style-type: none"> Heat Pump Upgrade Heat Pump Conversion Ductless Heat Pump Whole-Home Attic Insulation Whole-Home Wall Insulation 	N/A

Program Modifications – Single Family HVAC Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<ul style="list-style-type: none"> • Duct Sealing & Insulation • Air Sealing <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • Up to \$1,000 bonus <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	
Notes for Single Family HVAC Incentive Table		<ul style="list-style-type: none"> • See additional installation requirements and qualifying models on program website. • Acronyms: HSPF: Heating Seasonal Performance Factor SEER: Seasonal Energy Efficiency Ratio 	<ul style="list-style-type: none"> • Incentives for all HVAC measures apply to downstream or mid/upstream. Only one incentive per unit. • Incentives may be paid to the customer, dealer, manufacturer, and/or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will be clearly displayed on the website with applicable dates. The customer portion of the incentive may be changed. • Maximum of 10 line voltage thermostats per household. • Maximum of 1 smart thermostat per household. • Maximum of 1 ductless heat pump per household. • Customers may self-install smart thermostats. Contractor not required. • Work must be completed per program requirements listed on the program website. • See additional installation requirements and qualifying models on program website. • Acronyms: BTU: British Thermal Unit

Program Modifications – Single Family HVAC Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			HSPF: Heating Seasonal Performance Factor SEER: Seasonal Energy Efficiency Ratio

Table 6 – Single Family Weatherization Incentive Table Modifications

Program Modifications – Single Family Weatherization Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Insulation - Attic	<p>Revised qualification requirements to align with DEER READi v2.5.1.</p> <p>Measure to be replaced with ‘Insulation – Attic - with Prescriptive Air Sealing’ on 1/1/2020.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Must add at least R-19 to existing insulation • R initial \leq 19 & R final \geq 38 • Home’s primary heat source is electric <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$0.20/sf <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Add insulation to achieve R-38 or higher • Existing insulation is \leq R-19 • Home’s primary heat source is electric <p><u>Customer/Market Partner Incentive (Unchanged):</u></p> <ul style="list-style-type: none"> • \$0.20/sf <p><u>Available Delivery Methods (Unchanged):</u></p> <ul style="list-style-type: none"> • Downstream
Insulation - Wall	<p>Aligned with DEER READi v2.5.1.</p> <p>Measure to be replaced with ‘Insulation – Wall - with Prescriptive Air Sealing’ on 1/1/2020.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • No existing wall insulation • Must add R-13 or fill cavity • Home’s primary heat source must be electric 	<p><u>Qualification (Unchanged):</u></p> <ul style="list-style-type: none"> • No existing wall insulation • Must add R-13 or fill cavity • Home’s primary heat source must be electric

Program Modifications – Single Family Weatherization Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$0.75/sf <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream 	<u>Customer/Market Partner Incentive (Unchanged):</u> <ul style="list-style-type: none"> • \$0.75/sf <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> • Downstream
Insulation – Attic - with Prescriptive Air Sealing	Aligned with DEER READi v2.5.1. Measure to become active 1/1/2020.	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> • Add insulation to achieve R-38 or higher • Existing insulation is ≤ R-19 • Home’s primary heat source is electric • Perform prescriptive air sealing to Program Specifications prior to installation of insulation. <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$0.20/sf <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream
Insulation – Wall - with Prescriptive Air Sealing	Aligned with DEER READi v2.5.1. Measure to become active 1/1/2020.	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> • No existing wall insulation • Must add R-13 or fill cavity • Home’s primary heat source must be electric • Perform prescriptive air sealing to Program Specifications prior to installation of insulation. <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$0.75/sf <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream
Air Sealing	Measure retiring due to no available savings in DEER or RTF.	<u>Qualification:</u>	N/A

Program Modifications – Single Family Weatherization Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<ul style="list-style-type: none"> Air seal entire home per program requirements <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Tier 1: 15%-29.9% ACHN Reduction: \$200 Tier 2: ≥ 30% ACHN Reduction: \$400 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream 	
Notes for Weatherization Incentive Table	Clarified implementation details.	<ul style="list-style-type: none"> See additional installation requirements and qualifying models on program website. Definitions: ACHN: Air changes per hour at natural conditions R-Value: Thermal resistance of a material 	<ul style="list-style-type: none"> See additional installation requirements on program website. Acronyms: R-Value: Thermal resistance of a material

Table 7 – Single Family New Homes Incentive Table Modifications

Program Modifications – Single Family New Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
New Homes Whole Home Performance Path	Added mid/upstream to available delivery methods.	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> To align with the California Advanced Homes Program, the Program will offer incentives to builders based on the new homes' percentage improvement beyond Title 24, beginning at 15% better than code and increasing. The home's performance will be modeled and verified by independent third-parties and the models will be delivered to the program for final 	<p><u>Qualification (Unchanged):</u></p> <ul style="list-style-type: none"> To align with the California Advanced Homes Program, the Program will offer incentives to builders based on the new homes' percentage improvement beyond Title 24, beginning at 15% better than code and increasing. The home's performance will be modeled and verified by independent third-parties and the models will be delivered to the program for final

Program Modifications – Single Family New Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
		<p>savings and incentives calculations. See program website details.</p> <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$5,000 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream 	<p>savings and incentives calculations. See program website details.</p> <p><u>Customer/Market Partner Incentive (Unchanged):</u></p> <ul style="list-style-type: none"> Up to \$5,000 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
New Homes Ductless Heat Pump	<p>As there was no available DEER workbook for New Homes Ductless Heat Pumps, revised qualification requirements to align with RTF workbook: ResNewConstructionDuctlessHeatPump_v2_3 – 09/26/2018.</p> <p>Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> ≥ 9.0 HSPF, ≥ 16 SEER Single-head or multi-head unit <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$1,300 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> ≥ 10.0 HSPF Ductless Heat Pump must be installed in main living area with zonal electric (or additional DHPs) in remaining rooms Must be inverter driven Single-head, multi-head, or short run duct configurations are allowed <p><u>Customer/Market Partner Incentive (Unchanged):</u></p> <ul style="list-style-type: none"> \$1,300 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
New Homes Smart Thermostat	<p>New Measure. As there was no available DEER workbook for Smart Thermostat, aligned with RTF workbook: ResConnectedTstats_v1.3 – 04/10/2018</p>	N/A	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Unit must be on ENERGY STAR Qualified Products List Home’s primary heat source is an electric forced air furnace or air source heat pump heating system <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$50

Program Modifications – Single Family New Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			<u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream • Mid/upstream
Notes for New Homes Incentive Table	Clarified implementation details.	<ul style="list-style-type: none"> • See additional installation requirements and qualifying models on program website. • Acronyms: HSPF: Heating Seasonal Performance Factor SEER: Seasonal Energy Efficiency Ratio 	<ul style="list-style-type: none"> • Incentives for all New Homes measures apply to downstream or mid/upstream. Only one incentive will be provided per home. • Incentives may be paid to the customer, builder, and/or Rater and may be split between customer, builder, and/or Rater. The sum of the incentive payments per unit will be clearly displayed on the program website with applicable dates. The end use portion of the incentive may be changed. • Maximum of 1 smart thermostat per household. • See additional installation requirements and qualifying models on program website. • Acronyms: HSPF: Heating Seasonal Performance Factor

Table 8 – Manufactured Homes Incentive Table Modifications

Program Modifications – Manufactured Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Manufactured Homes Heat Pump Upgrade	<p>Revised qualification requirements to align with DEER READi v2.5.1</p> <p>Set incentive effective 1/1/2020 to align with new DEER savings.</p> <p>Introduced manufactured homes specific measure for ease of implementation. Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Tier 1: ≥ 9.0 HSPF, ≥ 15 SEER • Tier 2: ≥ 9.5 HSPF, ≥ 16 SEER • Previous primary heat source must have been a heat pump <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • Tier 1: \$150 • Tier 2: \$250 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • ≥ 9.0 HSPF, ≥ 16 SEER • Previous primary heat source must have been a heat pump <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$150 (ending 12/31/2019) • \$75 (starting 1/1/2020) <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream • Mid/upstream
Manufactured Homes Heat Pump Conversion	<p>As there was no available DEER workbook for Heat Pump Conversion, revised qualification requirements to align with RTF workbook: ResMHExistingHVAC_v3_4 – 3/1/17.</p> <p>Introduced manufactured homes specific measure for ease of implementation. Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Tier 1: ≥ 9.0 HSPF, ≥ 15 SEER • Tier 2: ≥ 9.5 HSPF, ≥ 16 SEER • Previous primary heat source must have been a permanently installed electric forced air furnace <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • Tier 1: \$1,050 • Tier 2: \$1,550 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Federal Standard HSPF or 9.0 HSPF • Previous primary heat source must have been a permanently installed electric forced air furnace <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • Federal Standard HSPF: \$1,050 • 9.0 HSPF: \$1,150 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream • Mid/upstream
Manufactured Homes Ductless Heat Pump	<p>As there was no available DEER workbook for Ductless Heat Pump, revised qualification requirements to align with RTF workbook: ResMHExistingZonalDHP_v2_2 – 12/5/2017 and ResDHPonFAF_v2_0 – 9/28/2018</p> <p>Introduced manufactured homes specific measure for ease of implementation. Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • ≥ 9.0 HSPF, ≥ 16 SEER • Single-head or multi-head unit <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • Single-Head: \$1,300 • Multi-Head: \$1,800 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • ≥ 9.0 HSPF • Previous heat source must have been a zonal electric resistance heat system or electric forced air furnace <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$1,300 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream • Mid/upstream

Program Modifications – Manufactured Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
<p>Manufactured Homes Duct Sealing (Not Direct Install)</p> <p>Previously: Manufactured Homes, Duct Sealing</p>	<p>Revised qualification requirements to align with DEER READi v2.5.1.</p> <p>Set incentive effective 1/1/2020 to align with new DEER savings.</p> <p>Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Must have ducted electric heating system serving at least 80% of the home’s floor area <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$200 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Duct leakage prior to sealing is $\geq 25\%$ Duct leakage after sealing is $\leq 15\%$ Home’s primary heat source is an electric forced air furnace <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$200 (ending 12/31/2019) \$150 (starting 1/1/2020) <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
<p>Manufactured Homes Duct Sealing (Direct Install)</p>	<p>Revised qualification requirements to align with DEER READi v2.5.1.</p> <p>Set incentive effective 1/1/2020 to align with new DEER savings.</p> <p>Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Must have ducted electric heating system serving at least 80% of the home’s floor area <p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$750 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Duct leakage prior to sealing is $\geq 25\%$ Duct leakage after sealing is $\leq 15\%$ Home’s primary heat source is an electric forced air furnace <p><u>Market Partner Incentive:</u></p> <ul style="list-style-type: none"> Up to \$500 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream Mid/upstream
<p>Manufactured Homes Smart Thermostat</p>	<p>New Measure. As there was no available DEER workbook for Smart Thermostat, aligned with RTF workbook: ResConnectedTstats_v1.3 – 04/10/2018</p>	<p>N/A</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> Unit must be on ENERGY STAR Qualified Products List Home’s primary heat source is an electric forced air furnace or air source heat pump heating system Cannot be claimed if already received incentive for a heat pump upgrade or heat pump conversion <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> \$50 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> Downstream

Program Modifications – Manufactured Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			<ul style="list-style-type: none"> • Mid/upstream
<p>New ENERGY STAR Manufactured Home</p> <p>Previously: New Manufactured Homes High Performance</p>	<p>As there was no available DEER workbook for New Homes Ductless Heat Pumps, aligned with RTF workbook: RESMHNNewHomesandHVAC_v3_4 – 06/15/2017.</p> <p>Updated the qualification to align with Energy Star. Added mid/upstream to available delivery methods.</p>	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Home must receive High Performance certification <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$2,000 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream 	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Home must receive ENERGY STAR certification • Home must be electrically heated <p><u>Customer/Market Partner Incentive (Unchanged):</u></p> <ul style="list-style-type: none"> • \$2,000 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream • Mid/upstream
<p>Notes for manufactured homes table</p>	<p>Clarified implementation details.</p>	<ul style="list-style-type: none"> • See additional installation requirements on program website. • Manufactured Homes, Duct Sealing – Contractor will be reimbursed for actual job costs, at no cost to the customer. Costs may include surcharge for mileage, duct testing and other expenses. 	<ul style="list-style-type: none"> • Manufactured homes are eligible for only one duct sealing incentive. The direct install offer may not be combined with the not-direct install offer. • Duct sealing (direct install) will be offered on an initiative basis and may not be available for the entire year. See program website for availability information. • Contractors providing the direct install duct sealing services will be reimbursed for actual job costs which may include surcharge for mileage, duct testing, and other job expenses, the total of which may not exceed the incentive. No additional costs will be billed to the customer. • Incentives for heat pump conversion, heat pump upgrade, ductless heat pump, not direct install duct sealing, and smart thermostat apply to downstream or mid/upstream. Only one

Program Modifications – Manufactured Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			<p>incentive will be provided per unit.</p> <ul style="list-style-type: none"> • Incentives for heat pump conversion, heat pump upgrade, ductless heat pump, not direct install duct sealing, and smart thermostat may be paid to the customer, dealer, manufacturer, and/or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will be clearly displayed on the program website with applicable dates. The end use portion of the incentive may be changed. • Incentives for new manufactured homes may be paid to customer, dealer/retailer, and/or manufacturer and the available incentive per home and may be split between customer, dealer/retailer, and/or manufacturer. The sum of incentive payments per home will not exceed the amount listed in the table. The end use customer portion of the incentive will be clearly displayed on the program website with applicable dates. The end use customer portion of the incentive may be changed. • Maximum of 1 smart thermostat per household. • Maximum of 1 ductless heat pump per household. • See additional installation requirements on program website. • Acronyms: HSPF: Heating Seasonal Performance Factor

Program Modifications – Manufactured Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			SEER: Seasonal Energy Efficiency Ratio

Table 9 – Multifamily Incentive Table Modifications

Program Modifications – Multifamily Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
Multifamily Ductless Heat Pump	New Measure. As there was no available DEER workbook for Ductless Heat Pump, aligned with RTF workbook: ResMFEExistingDHP_v1_1 – 11/25/18	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> • ≥ 9.0 HSPF • Previous heat source must have been a zonal electric resistance heat system <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$1,300 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream • Mid/upstream
Multifamily Insulation - Attic	<p>Revised qualification requirements to align with DEER READi v2.5.1.</p> <p>Introduced multifamily specific measure for ease of implementation.</p> <p>Measure to be replaced with ‘Multifamily, Insulation – Attic - with Prescriptive Air Sealing’ on 1/1/2020.</p>	<u>Qualification:</u> <ul style="list-style-type: none"> • Must add at least R-19 to existing insulation • $R_{\text{initial}} \leq 19$ & $R_{\text{final}} \geq 38$ • Home’s primary heat source is electric <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$0.35/sf <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream 	<u>Qualification:</u> <ul style="list-style-type: none"> • Add insulation to achieve R-38 or higher • Existing insulation is $\leq R-19$ • Home’s primary heat source is electric <u>Customer/Market Partner Incentive (Unchanged):</u> <ul style="list-style-type: none"> • \$0.35/sf <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> • Downstream
Multifamily Insulation - Wall	<p>Aligned with DEER READi v2.5.1.</p> <p>Introduced multifamily specific measure for ease of implementation.</p> <p>Measure to be replaced with ‘Multifamily, Insulation – Wall -</p>	<u>Qualification:</u> <ul style="list-style-type: none"> • No existing wall insulation • Must add R-13 or fill cavity • Home’s primary heat source must be electric 	<u>Qualification (Unchanged):</u> <ul style="list-style-type: none"> • No existing wall insulation • Must add R-13 or fill cavity • Home’s primary heat source must be electric

Program Modifications – Multifamily Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
	with Prescriptive Air Sealing’ on 1/1/2020.	<u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$0.75/sf <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream 	<u>Customer/Market Partner Incentive (Unchanged):</u> <ul style="list-style-type: none"> • \$0.75/sf <u>Available Delivery Methods (Unchanged):</u> <ul style="list-style-type: none"> • Downstream
Multifamily Air Sealing with Insulation SPIF	<p>Introduced SPIF to ease the market into the 2020 requirement that prescriptive air sealing is required with all insulation work.</p> <p>Measure to retire 12/31/2019.</p>	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> • Perform prescriptive air sealing to Program Specifications prior to installation of insulation. • Air Sealing must be complete at the same time as insulation install <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$100 <u>Available Delivery Methods:</u> <ul style="list-style-type: none"> • Downstream
Multifamily Insulation – Attic - with Prescriptive Air Sealing	<p>Aligned with DEER READi v2.5.1.</p> <p>Measure to become active 1/1/2020.</p>	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> • Add insulation to achieve R-38 or higher • Existing insulation is ≤ R-19 • Home’s primary heat source is electric • Perform prescriptive air sealing to Program Specifications prior to installation of insulation. <u>Customer/Market Partner Incentive:</u> <ul style="list-style-type: none"> • \$0.35/sf <u>Available Delivery Methods:</u> <p>Downstream</p>
Multifamily Insulation – Wall - with Prescriptive Air Sealing	<p>Aligned with DEER READi v2.5.1.</p> <p>Measure to become active 1/1/2020.</p>	N/A	<u>Qualification:</u> <ul style="list-style-type: none"> • No existing wall insulation • Must add R-13 or fill cavity

Program Modifications – Multifamily Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			<ul style="list-style-type: none"> • Home’s primary heat source must be electric • Perform prescriptive air sealing to Program Specifications prior to installation of insulation. <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$0.75/sf <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream
Multifamily Line Voltage Thermostat	New Measure. As there was no available DEER workbook for Line Voltage Thermostat, aligned with RTF workbook: ResSFElectronicTstats_v3_1 – 11/17/2016	N/A	<p><u>Qualification:</u></p> <ul style="list-style-type: none"> • Home’s primary heat source is a zonal electric heating system • Thermostats installed in bathrooms do not qualify <p><u>Customer/Market Partner Incentive:</u></p> <ul style="list-style-type: none"> • \$20 <p><u>Available Delivery Methods:</u></p> <ul style="list-style-type: none"> • Downstream • Mid/upstream
Notes for Multifamily Homes Table	Introduced multifamily specific measure for ease of implementation to facilitate targeted marketing.	N/A	<ul style="list-style-type: none"> • Incentives for line voltage thermostat and ductless heat pump apply to downstream or mid/upstream. Only one incentive will be provided per unit. • Incentives for line voltage thermostat and ductless heat pump may be paid to the customer, dealer, manufacturer, or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will

Program Modifications – Multifamily Homes Incentive			
Measure Name	Description of Changes	Current Offering	Revised Offerings
			be clearly displayed on the program website with applicable dates. The end use portion of the incentive may be changed. <ul style="list-style-type: none"> • Maximum of 10 line voltage thermostats per household. • See additional installation requirements on program website.

Exhibit 2

California Home Energy Savings Program - Redlined
Measures, Incentives, and Qualifications

Per unit incentives for specific Energy Efficiency Measures (EEMs) are listed in the program incentive tables below. Current incentives can be found at <http://www.homeenergysavings.net/California>.

Table 1 - Lighting Incentive Table

Measure	Qualifications	Customer Incentive	<u>Mid-Market Market Partner Incentive</u>
CFL Bulbs (General Purpose)	ENERGY STAR qualified	\$0	Up to \$3.00
CFL Bulbs (Specialty)	ENERGY STAR qualified	\$0	Up to \$4.00
LED Bulbs (General Purpose)	ENERGY STAR qualified	\$0	Up to \$23.00 <u>\$18.00</u>
LED Bulbs (Specialty)	ENERGY STAR qualified	\$0	Up to \$23.00 <u>\$19.00</u>
CFL and LED Fixtures	ENERGY STAR qualified Torchiere and portable products are not qualified.	\$0	Up to \$10.00 <u>\$7.00</u>

Notes for lighting incentive table:

- Mid-market incentives for ~~CFL~~ and LED bulbs apply to upstream, ~~and~~ mail by request, ~~and direct install.~~
- See product list on program website.
- Reduced price ~~CFL~~, LED, or fixture offer may end early if entire allocation is sold.
- Acronyms:
~~CFL: Compact Fluorescent Light~~
LED: Light Emitting Diode

Table 2 - Appliance Incentive Table

Measure	Qualifications	Customer Incentive	Mid-Market Market Partner Incentive
Clothes Washers	MEF \geq 3.2	\$50	\$0
Clothes Washer Recycling	Decommission and recycle an existing clothes washer. The recycled unit must be operable.	\$0	Up to \$25
Refrigerators	CEE Tier 3	\$50	\$0
Refrigerator and Freezer Recycling	Refrigerators or freezers must be in working condition and must be plugged in to verify they are working. Units a minimum of 10 cubic feet and a maximum of 32 cubic feet in size (based on inside measurements) qualify. Any customer, residential or commercial, with a working residential refrigerator or freezer is eligible to participate.	Up to \$50	Up to \$20
Electric Water Heaters	25-44.9 gal units: EF $>$ 0.94 45-54.9 gal units: EF $>$ 0.95 55-74.9 gal units: EF $>$ 0.93 75-99.9 gal units: EF $>$ 0.92 100-120 gal units: EF $>$ 0.85	\$50	\$0

	Due to the federal standard change, all electric water heater incentives will be retired after April 15, 2015. Incentives will be provided only for units purchased or installed on or before April 15, 2015.		
Heat Pump Water Heater	Northern Climate Specification qualified Due to April 16, 2015 federal standard units that do not meet the new standard will no longer be offered incentives after April 15, 2015. <u>0-55 gallons: 3.24 EF or 3.5 EF</u> <u>>55 gallons: 3.06 EF, 3.14 EF, or 3.5 EF</u>	Up to \$600 <u>\$400</u>	<u>Up to \$200</u>
Evaporative Cooler Evaporative Coolers (Tier 1)	2,000-3,499 CFM 17 SEER, ≤ 65k BTU	\$50	\$0
Evaporative Coolers (Tier 2)	Minimum 3,500 CFM	\$100	\$0
Room Air Conditioner	ENERGY STAR qualified <u>Home must be located in climate zone 16</u>	\$0	Up to \$20
Hybrid/Heat Pump Clothes Dryer	<u>NEEA qualified</u>		<u>\$600</u>

Notes for appliance incentive table:

- See additional installation requirements and qualifying models on program website.
- Incentives for hybrid/heat pump clothes dryer apply to mid/upstream and/or downstream. Only one incentive will be provided per qualifying clothes dryer.
- Incentives for hybrid/heat pump clothes dryers may be paid to the customer, retailer, and/or manufacturer and may be split between customer, retailer, and/or manufacturer.
- Acronyms:
BTU: British Thermal Unit
EF: Energy Factor
CEE: Consortium for Energy Efficiency
CFM: Cubic Feet per Minute
MEF: Modified Energy Factor
NEEA: Northwest Energy Efficiency Alliance

Table 3 - Plumbing Incentive Table

Measure	Qualifications	Customer Incentive	Mid-Market Market Partner Incentive
Low-Flow Showerheads	Flow rate < 1.70 <u>1.60</u> GPM	\$0	Up to \$31.00 <u>\$14.00</u>
Low-Flow Aerators	Flow rate < 1.50 <u>1.0</u> GPM	\$0	Up to \$5.00 <u>\$2.50</u>
<u>Heat Pump Water Heater</u>	<u>0-55 gallons: 3.24 EF or 3.5 EF</u> <u>> 55 gallons: 3.06 EF, 3.14 EF, or 3.5 EF</u>	<u>\$400</u>	<u>Up to \$200</u>
Thermostatic Valves	Valve must automatically restrict or shut off water flow rate when a set point is reached and be reset when desired	\$0	Up to \$30.00
Combo Low Flow Showerhead and Thermostatic Valve	Unit Flow Rate ≤ 1.50 GPM Valve must automatically restrict or shut off water flow rate when a set point is reached and be reset when desired	\$0	Up to \$54.00

Notes for plumbing incentive table:

- Mid-market incentives for all plumbing measures apply to upstream, and mail by request, ~~and direct install.~~
- See additional installation requirements on program website.
- Definitions Acronyms:
GPM: Gallons per minute

Home Electronics Incentive Table

Measure	Qualifications	Customer Incentive	Mid-Market Incentive
Advanced Power Strips	Power strip must have occupancy, infrared, or load sensor and automatically shut off the plug loads when no motion or reduced load is detected for a period of time	\$0	Up to \$60.00

Notes for home electronics incentive table:

- ~~Mid market incentives for advanced power strips apply to upstream, downstream and direct install.~~
- ~~See additional installation requirements on program website.~~

Table 4 - HVAC Incentive Table

Measure	Qualifications	Customer Incentive	Mid-Market Market Partner Incentive
<u>Central Air Conditioner Upgrade</u> Central Air Conditioner	2014: > 15 SEER, After 2014: > 17 SEER <u>> 15 SEER, < 65 kBTU</u> Must be replacing existing CAC	\$0	Up to \$100
Heat Pump Upgrade	Tier 1: > 9.0 HSPF, >15 SEER Tier 2: > 9.5 HSPF, > 16 SEER <u>> 9.0 HSPF, ≥ 16 SEER</u> Previous primary heat source must have been a heat pump <u>Home must be located in climate zone 16</u>	Tier 1: \$100 Tier 2: \$100 Tier 1: \$50 Tier 2: \$150 <u>\$150 (ending 12/31/2019)</u> <u>\$75 (starting 1/1/2020)</u>	
Heat Pump Conversion	Tier 1: > 9.0 HSPF, >15 SEER Tier 2: > 9.5 HSPF, > 16 SEER <u>Federal Standard HSPF or 9.0 HSPF</u> Previous primary heat source must have been a permanently installed electric forced air furnace	Tier 1: \$1,000 Tier 2: \$1,000 Tier 1: \$50 Tier 2: \$550 <u>Federal Standard HSPF: \$1,050</u> <u>9.0 HSPF: \$1,150</u>	
Ductless Heat Pump	≥ 9.0 HSPF, >16 SEER Single head or multi head unit Previous heat source must have been a zonal electric resistance heat system or electric forced air furnace	Single Head: \$1,000 Multi Head: \$1,500 Single Head: \$300 Multi Head: \$300 <u>\$1,300</u>	
Duct Sealing and Insulation	Resisting < 2 or replace all existing insulation with at least R-8 Must add at least R-8 to ducts Home's primary heat source is electric (ducted) Cannot be claimed if performing HVAC equipment replacement or upgrade.	\$500	\$100
Duct Sealing	Home's primary heat source is an electric forced air furnace, electric (ducted). Existing insulation should only be removed if it is being replaced. <u>Duct leakage prior to sealing is ≥ 24%</u> <u>Duct leakage after sealing is ≤ 12%</u>	\$0	<u>\$200 (ending 12/31/2019)</u> <u>\$100 (starting 1/1/2020)</u>

	Cannot be claimed if performing HVAC equipment replacement or upgrade.		
<u>Line Voltage Thermostat</u>	<u>Home's primary heat source is a zonal electric heating system.</u> <u>Thermostats installed in bathrooms do not qualify</u>		<u>\$20</u>
<u>Smart Thermostat</u>	<u>Unit must be on ENERGY STAR Qualified Products List</u> <u>Home's primary heat source is an electric forced air furnace or air source heat pump heating system.</u> <u>Cannot be claimed if already received incentive for heat pump upgrade or heat pump conversion.</u>		<u>\$50</u>
<u>Whole Home Upgrade Package</u>	Install all of the following per Program requirements: <ul style="list-style-type: none"> ● Heat Pump Upgrade ● Heat Pump Conversion ● Ductless Heat Pump ● Whole Home Attic Insulation ● Whole Home Wall Insulation ● Duct Sealing & Insulation ● <u>Air Sealing</u> 	Up to \$1,000 bonus	\$0

Notes for HVAC incentive table:

- Incentive for all HVAC measures apply to downstream or mid/upstream. Only one incentive per unit.
- Incentives may be paid to the customer, dealer, manufacturer, and/or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will be clearly displayed on the program website with applicable dates. The customer portion of the incentive may be changed.
- Maximum of 10 line voltage thermostats per household.
- Maximum of 1 smart thermostat per household.
- Maximum of 1 ductless heat pump per household.
- Customers may self-install smart thermostats. Contractor not required.
- Work must be completed per program requirements listed on the program website.
- ~~See additional installation requirements on program website.~~
- Acronyms:
 - BTU:** British Thermal Unit
 - HSPF:** Heating Seasonal Performance Factor
 - SEER:** Seasonal Energy Efficiency Ratio

Table 5 - Weatherization Incentive Table

Measure	Qualifications	Customer Incentive	<u>Mid-Market Market Partner Incentive</u>
Insulation - Attic	<p>Must add at least R-19 to existing insulation $R_{initial} \leq 19$ & $R_{final} > 38$ Home's primary heat source is electric</p> <p><u>Add insulation to achieve R-38 or higher</u></p> <p><u>Existing insulation is \leq R-19</u></p> <p><u>Home's primary heat source is electric</u></p> <p><u>Measure to be replaced with 'Insulation – Attic – Prescriptive Air Sealing' on 1/1/2020</u></p>	<p>\$0.20/sf. for single family \$0.35/sf for multi family</p>	<p>\$0/sf.</p>
Insulation - Wall	<p>No existing wall insulation Must add R-13 or fill cavity Home's primary heat source must be electric</p> <p><u>Measure to be replaced with 'Insulation – Wall – Prescriptive Air Sealing' on 1/1/2020</u></p>	<p>\$0.75 /sf.</p>	<p>\$0/sf.</p>
<u>Air Sealing with Insulation SPIF</u>	<p>Introduced SPIF to ease the market into the 2020 requirement that prescriptive air sealing is required with all insulation work.</p> <p>Perform prescriptive air sealing to Program Specifications prior to installation of insulation</p> <p>Air sealing must be completed at the same time as insulation install</p> <p>Measure to retire 12/31/2019</p>	<p>\$100</p>	<p>\$0</p>
<u>Insulation – Attic – Prescriptive Air Sealing</u>	<p><u>Add insulation to achieve R-38 or higher</u> <u>Existing insulation is \leq R-19</u> <u>Home's primary heat source is electric</u></p> <p><u>Perform prescriptive air sealing to Program Specifications prior to installation of insulation</u></p>	<p><u>\$0.20/sf.</u></p>	<p><u>\$0/sf.</u></p>
<u>Insulation – Wall – Prescriptive Air Sealing</u>	<p><u>No existing wall insulation</u> <u>Must add R-13 or fill cavity</u> <u>Home's primary heat source must be electric</u></p>	<p><u>\$0.75 /sf.</u></p>	<p><u>\$0/sf.</u></p>

	<u>Perform prescriptive air sealing to Program Specifications prior to installation of insulation</u>		
Air Sealing	Air seal entire home per program requirements	<p>Tier 1: 15% – 29.9% ACHN Reduction: \$200</p> <p>Tier 2: > 30% ACHN Reduction: \$200</p>	<p>Tier 1: 15% – 29.9% ACHN Reduction: none</p> <p>Tier 2: > 30% ACHN Reduction: \$200</p>

Notes for weatherization incentive table:

- See additional installation requirements on program website.
- Definitions Acronyms:
ACHN: Air changes per hour at natural conditions
R-Value: Thermal resistance of a material

Table 6 - New Homes Incentive Table

Measure	Qualifications	Customer Incentive	<u>Mid-Market Market Partner Incentive</u>
New Homes Whole Home Performance Path	To align with the California Advanced Homes Program, the Program will offer incentives to builders based on the new homes' percentage improvement beyond Title 24, beginning at 15% better than code and increasing. The home's performance will be modeled and verified by independent third-parties and the models will be delivered to the program for final savings and	\$0	Up to \$5,000

	incentives calculations. See program website details.	
New Homes Ductless Heat Pump	<p>> 9 HSPF, > 16 SEER > 10.0 HSPF</p> <p>Ductless Heat Pump must be installed in main living area with zonal electric (or additional DHPs) in remaining rooms</p> <p>Must be inverter driven</p> <p>single head or multi head unit</p> <p>Single-head, multi-head, or short run duct configurations are allowed</p>	\$0 \$1,300
New Homes Smart Thermostat	<p>Unit must be on ENERGY STAR Qualified Products List</p> <p>Home's primary heat source is an electric forced air furnace or air source heat pump heating system</p>	\$50

Notes for new homes incentive table:

- Incentives for all New Homes measures apply to downstream or mid/upstream. Only one incentive will be provided per home.
- Incentives may be paid to the customer, builder, and/or Rater and may be split between customer, builder, and/or Rater. The sum of the incentive payments per unit will be clearly displayed on the program website with applicable dates. The end use portion of the incentive may be changed.
- Maximum 1 smart thermostat per household.
- See additional installation requirements on program website.
- Acronyms:
HSPF: Heating Seasonal Performance Factor
SEER: Seasonal Energy Efficiency Ratio

Table 7 - Manufactured Homes Incentive Table

Measure	Qualifications	Customer Incentive	Mid-Market Market Partner Incentive
<u>Manufactured Homes Heat Pump Upgrade</u>	<p>≥ 9.0 HSPF, ≥ 16 SEER</p> <p>Previous primary heat source must have been a heat pump</p>	<p>\$150 (ending (12/31/2019)) \$75 (starting 1/1/2020)</p>	
<u>Manufactured Homes Heat Pump Conversion</u>	<p>Federal Standard HSPF or 9.0 HSPF</p> <p>Previous primary heat source must have been a permanently installed electric forced air furnace</p>	<p>Federal Standard HSPF: \$1,050 9.0 HSPF: \$1,150</p>	
<u>Manufactured Homes Ductless Heat Pump</u>	<p>≥ 9.0 HSPF</p>		\$1,300

	<u>Previous heat source must have been a zonal electric resistance heat system or electric forced air furnace</u>		
<u>Manufactured Homes Duct Sealing (Not Direct Install)</u> <u>Manufactured Homes Duct Sealing</u>	<p>Must have ducted electric heating system serving at least 80% of the home's floor area. Existing insulation should only be removed if it is being replaced.</p> <p><u>Duct leakage prior to sealing is ≥ 25%</u> <u>Duct leakage after sealing is ≤ 15%</u></p> <p><u>Home's primary heat source is an electric forced air furnace</u></p>	<p>\$0 Up to \$750 \$200 (ending 12/31/2019) \$150 (starting 1/1/2020)</p>	
<u>Manufactured Homes Duct Sealing (Direct Install)</u>	<p>Must have ducted electric heating system serving at least 80% of the home's floor area. Existing insulation should only be removed if it is being replaced.</p> <p><u>Duct leakage prior to sealing is ≥ 25%</u> <u>Duct leakage after sealing is ≤ 15%</u></p> <p><u>Home's primary heat source is an electric forced air furnace</u></p>		Up to \$500
<u>Smart Thermostat</u>	<p><u>Unit must be on ENERGY STAR Qualified Products List</u></p> <p><u>Home's primary heat source is an electric forced air furnace or air source heat pump heating system.</u></p> <p><u>Cannot be claimed if already received incentive for heat pump upgrade or heat pump conversion.</u></p>		\$50
<u>New ENERGY STAR Manufactured Home</u> <u>New Manufactured Homes High Performance</u>	<p><u>Home must receive High Performance certification.</u></p> <p><u>Home must receive ENERGY STAR certification</u></p> <p><u>Home must be electrically heated</u></p>	\$0	\$2,000

Notes for manufactured homes incentive table:

- Manufactured homes are eligible for only one duct sealing incentive. The direct install offer may not be combined with the not-direct install offer.
- Duct sealing (direct install) will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.
- Contractors providing the direct install duct sealing services will be reimbursed for actual job costs which may include surcharge for mileage, duct testing, and other job expenses, the total of which may not exceed the incentive. No additional costs will be billed to the customer.

- Incentives for heat pump conversion, heat pump upgrade, ductless heat pump, not direct install duct sealing, and smart thermostat apply to downstream or mid/upstream. Only one incentive will be provided per unit.
- Incentives for heat pump conversion, heat pump upgrade, ductless heat pump, not direct install duct sealing, and smart thermostat may be paid to the customer, dealer, manufacturer, and/or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
- Incentives for new manufactured homes may be paid to the customer, dealer/retailer, and/or manufacturer and the available incentive per home may be split between customer, dealer/retailer, and/or manufacturer. The sum of the incentive payments per home will not exceed amount listed in the table. The incentive will be clearly displayed on the program website with applicable dates. The end use portion of the incentive may be changed.
- Maximum of 1 smart thermostat per household.
- Maximum of 1 ductless heat pump per household.
- See additional installation requirements on program website.
- ~~Manufactured Homes, Duct Sealing—Contractor will be reimbursed for actual job costs, at no cost to the customer. Costs may include surcharge for mileage, duct testing and other job expenses.~~
- Acronyms:
HSPF: Heating Seasonal Performance Factor
SEER: Seasonal Energy Efficiency Ratio

Table 8 – Multifamily Incentive Table

<u>Measure</u>	<u>Qualifications</u>	<u>Customer Incentive</u>	<u>Market Partner Incentive</u>
<u>Multifamily Ductless Heat Pump</u>	<u>> 9.0 HSPF</u> <u>Previous heat source must have been a zonal electric resistance heat system or electric forced air furnace.</u>		<u>\$1,300</u>
<u>Multifamily Insulation - Attic</u>	<u>Add insulation to achieve R-38 or higher</u> <u>Existing insulation is ≤ R-19</u>	<u>\$0.35/sf.</u>	<u>\$0/sf.</u>

	<p><u>Home's primary heat source is electric</u></p> <p><u>Measure to be replaced with 'Multifamily Insulation – Attic – Prescriptive Air Sealing' on 1/1/2020</u></p>		
<p><u>Multifamily Insulation - Wall</u></p>	<p><u>No existing wall insulation</u> <u>Must add R-13 or fill cavity</u> <u>Home's primary heat source must be electric</u></p> <p><u>Measure to be replaced with 'Multifamily Insulation – Wall – Prescriptive Air Sealing' on 1/1/2020</u></p>	<p><u>\$0.75 /sf.</u></p>	<p><u>\$0/sf.</u></p>
<p><u>Multifamily Air Sealing with Insulation SPIF</u></p>	<p><u>Introduced SPIF to ease the market into the 2020 requirement that prescriptive air sealing is required with all insulation work.</u></p> <p><u>Perform prescriptive air sealing to Program Specifications prior to installation of insulation</u></p> <p><u>Air sealing must be completed at the same time as insulation install</u></p> <p><u>Measure to retire 12/31/2019</u></p>	<p><u>\$100</u></p>	<p><u>\$0</u></p>
<p><u>Multifamily Insulation – Attic – Prescriptive Air Sealing</u></p>	<p><u>Add insulation to achieve R-38 or higher</u> <u>Existing insulation is ≤ R-19</u> <u>Home's primary heat source is electric</u></p> <p><u>Perform prescriptive air sealing to Program Specifications prior to installation of insulation</u></p>	<p><u>\$0.35/sf.</u></p>	<p><u>\$0/sf.</u></p>
<p><u>Multifamily Insulation – Wall – Prescriptive Air Sealing</u></p>	<p><u>No existing wall insulation</u> <u>Must add R-13 or fill cavity</u> <u>Home's primary heat source must be electric</u></p> <p><u>Perform prescriptive air sealing to Program Specifications prior to installation of insulation</u></p>	<p><u>\$0.75 /sf.</u></p>	<p><u>\$0/sf.</u></p>
<p><u>Multifamily Line Voltage Thermostat</u></p>	<p><u>Home's primary heat source is a zonal electric heating system.</u></p> <p><u>Thermostats installed in bathrooms do not qualify</u></p>		<p><u>\$20</u></p>

Notes for multifamily incentive table:

- Incentives for line voltage thermostat and ductless heat pump apply to downstream or mid/upstream. Only one incentive will be provided per unit.
- Incentives for line voltage thermostat and ductless heat pump may be paid to the customer, dealer, manufacturer, or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will be clearly displayed on the program website with applicable dates. The end use portion of the incentive may be changed.
- Maximum of 10 line voltage thermostats per household.
- See additional installation requirements on program website.